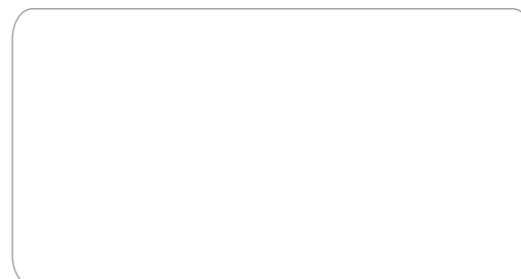


vizia Security & Surveillance Products



Vision

To enable customers to make
the right use of right
technology to the fullest
ensuring efficiency, safety and
the best return on the
investment.

INTRODUCTION

Travizia Infosec - a Converged Technology Solutions company operating in the domains of Enterprise Communication, IT & Automation and Security & Surveillance is seeking to create long term partnership with the organisations looking at transformational IT solutions with its consultative approach.

Our combined understanding of diverse technology platforms and business processes of different verticals gives us an added advantage in the facilitating the delivery of the cutting edge solutions and fueling growth for our customers.

We target to achieve Customer Satisfaction through our Quality, Efficiency, Cost effectiveness and support Services.

The entire world has been under grip of two major threats which are terrorism and economic disparity. These have led to serious security concerns and the need of an hour is to protect people, assets and infrastructure. Because of this, surveillance systems are becoming almost a mandatory security feature in public places, schools, businesses and even in residences, very few have new generation surveillance systems that do much more than just be there to catch what's going on. With the ever changing technology, the uses and possibilities are endless and having a modern video surveillance system will not only ensure your safety & security but also save you and your business time and money.

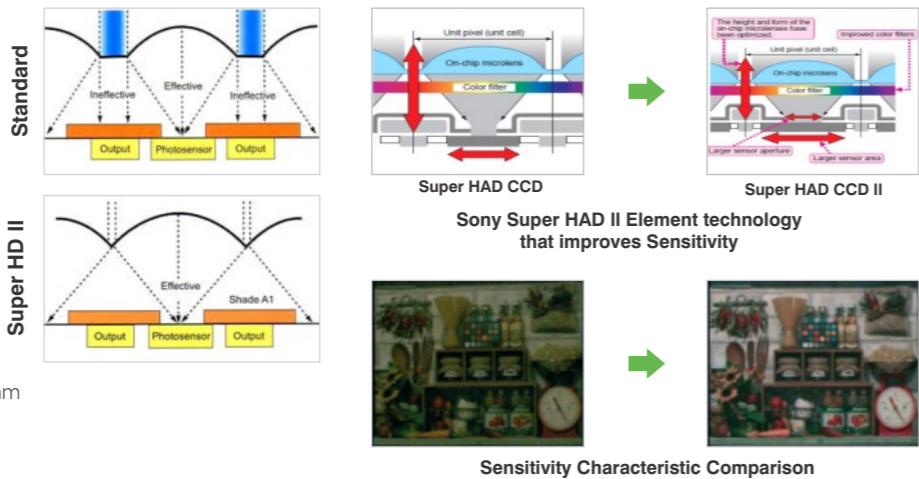
Travizia provides comprehensive security & surveillance solutions managing multiple devices which offer surveillance with analytics, access control and intrusion alarms functionalities to allow proactive and reactive measures avoiding unwanted events. Travizia aims to offer comprehensive building management solution covering other important aspects such as energy saving and fire alarms in future.

Travizia's product portfolio in the space of security & surveillance is quite comprehensive and includes ;

- Various types of IP and Analog cameras such as Dome, Bullet, Vandal Dome, Box, PTZ etc
- Various camera technologies such as Sony EFFIO, Sony CCD Super HADII, CMOS and DIS
- Special Cameras such as Fish Eye, Zoom, PIR Hidden, PIR Smoke, Hidden Pinhole, Number Plate Recognition Cameras etc
- Entry level / Mid-level and High end Project Class DVRs
- NVR and NVR software
- Video Management Software / Video Analytics Software

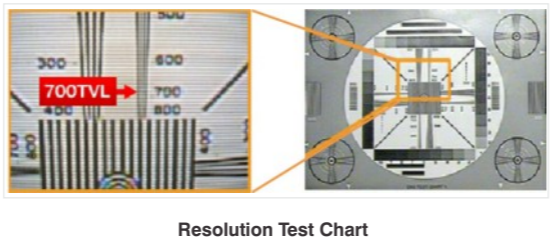
SONY Sensor

- Components with Maximum Impact on Camera Image Quality
 - Sensor
 - Image Processing DSP
- Sony Super HAD II
 - CCD
 - TWICE Better Sensitivity
 - 6dB Better Smear Rejection
 - Used in all types of Cameras
- Sony Ex-View
 - CCD
 - 4-Times Better Sensitivity Around 800-900nm
 - Primarily used in High Speed Domes



EFFIO Series

- EFFIO DSP
 - Enhanced Features & Fine Image Processor
 - Achieves Much Higher Sensitivity
 - Increases Picture Quality Beyond 600TVL
 - Provides Much Sharper Pictures



Noise Reduction:

The Effio-E comes with a Space based NR (2D-DNR & 3D DNR Function)



Excellent Color Reproduction



Preset OSD Menu



ATR (Adaptive Tone Reproduction)

The ATR (Adaptive Tone Reproduction) function provides gradation compensation to improve the contrast of subjects whose gradation has been lost in cases where, for instance, both low-luminance areas and high-luminance areas exist in the same picture.

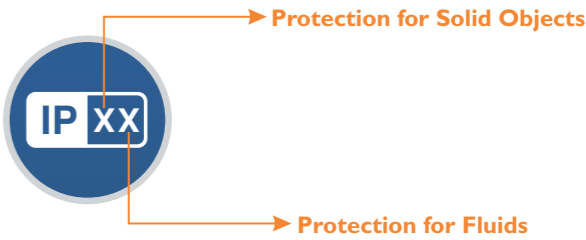


WDR (Wide Dynamic Range)

The Wide Dynamic Range (WDR) is a function that it can acquire natural images with fewer blown out highlights and blocked up shadows by combining a multiple number of images, shot at different exposure times, using digital signal processing.

Ingress Protection

- IP 66
 - Protected Against Dust
 - Protected Against Water Jets
- IP 67
 - Protected Against Dust
 - Protected Against Water Immersion for a Short Duration
- IP 68
 - Protected Against Dust
 - Protected Against Submerging In Water For Prolonged Periods



Analog Camera

750 TVL DIS Series

VTDI-AD2075

- Economic Indoor IR Dome
- Color 1/4" Digital Image Sensor (DIS)
- 750TVL
- Built-in IR Cutter Filter
- Excellent True Color Video during Daytime & High Resolution
- 3.6mm Lens, 24pcs Φ 5 IR LEDs, IR Distance: 20m



VTD-AD2075

- Economic Indoor Dome
- Color 1/4" Digital Image Sensor (DIS)
- 750TVL
- Excellent True Color Video and High Resolution
- 3.6mm Board Lens



800 TVL CMOS Series

Key Features

- Color 1/3" CMOS
- 800TVL
- Built-in IR Cut Filter
- Excellent True Color Video
- High Resolution Image
- 3-Axis Cable Through Bracket for Bullet Cameras

VTD-AC2080



- Color 1/3" CMOS
- 800TVL
- Built-in IR Cut Filter
- 3.6mm Lens

VTDI-AC2080



- Color 1/3" CMOS
- 800TVL
- Built-in IR Cut Filter
- 3.6mm Lens
- 24pcs Φ 5 IR LEDs
- IR Distance: 20m

VTDI-AC3080V



- Color 1/3" CMOS
- 800TVL
- Built-in IR Cut Filter
- 2.8-12mm VF Lens
- 36pcs Φ 5 IR LEDs
- 3-Axis Cable Through Bracket
- IR Distance: 30m
- Size: 186(L) \times 100(W) \times 92(H)mm

VTB-AC2080



- Color 1/3" CMOS
- 800TVL
- Built-in IR Cut Filter
- 3.6mm Lens, 24pcs Φ 5 IR LEDs
- 3-Axis Cable Through Bracket
- IR Distance: 20m
- Size: 108(L) \times 72(W) \times 62mm(H)

VTB-AC3080



- Color 1/3" CMOS
- 800TVL
- Built-in IR Cut Filter
- 6mm Lens
- 36pcs Φ 5 IR LEDs
- 3-Axis Cable Through Bracket
- IR Distance: 30m
- Size: 130(L) \times 84(W) \times 72mm(H)

VTB-AC5080



- Color 1/3" CMOS
- 800TVL
- Built-in IR Cut Filter
- 12mm Lens
- 36pcs Φ 8 IR LEDs
- 3-Axis Cable Through Bracket
- IR Distance: 50m
- Size: 160(L) \times 87(W) \times 90(H)mm

VTB-AC5080V



- Color 1/3" CMOS
- 800TVL
- Built-in IR Cut Filter
- 2.8-12mm VF Lens
- 36pcs Φ 8 IR LEDs
- 3-Axis Cable Through Bracket
- IR Distance: 50m
- Size: 186(L) \times 100(W) \times 92(H)mm

Analog Camera



600 TVL Sony Super HAD II Series



- Key Features**
- 1/3" Sony Super HAD II CCD
 - 600 TVL
 - OSD: Yes
 - Electronic Shutter: 1/50~1/100,000
 - D-WDR: ON/OFF
 - Privacy Masking: 4 Windows
 - Day/Night: Color/BW/Auto
 - White Balance: ATW/manual WB
 - Mirror Function: Yes
 - DNR: 2D-DNR
 - BLC:ON/OFF
 - AGC: ON/OFF
 - Motion Detection
 - HLM: ON/OFF

VTD-AS2060



- 1/3" Sony Super HAD II
- 600TVL with Cable Control OSD
- 0.01 Lux
- 3.6mm Board Lens
- D-WDR, 2D DNR

VTDI-AS2060



- 1/3" Sony Super HAD II CCD
- 600TVL with Cable Control OSD
- 0.01 Lux
- 3.6mm Lens, 24pcs Φ 5 IR LEDs
- IR Distance: 20m
- D-WDR, BLC, AGC, 2D-DNR, ATW

VTDI-AS3060V



- 1/3" Sony Super HAD II CCD
- 600TVL with Cable Control OSD
- 0.01 Lux
- 2.8-12mm VF Lens, 36pcs Φ 5 IR LEDs
- IR Distance: 30m
- D-WDR, BLC, AGC, 2D-DNR, ATW

VTB-AS2060



- 1/3" Sony Super HAD II CCD
- 600TVL, 0.01 Lux
- 3.6mm Lens
- 24pcs Φ 5 IR LEDs
- IR Distance: 20m
- D-WDR, 2D-DNR, BLC, etc.
- Cable Control with OSD Menu

VTB-AS3060



- 1/3" Sony Super HAD II CCD
- 600TVL, 0.01 Lux
- 6/8mm Lens
- 36pcs Φ 5 IR LEDs
- IR Distance: 30m
- D-WDR, 2D-DNR, BLC, etc.
- Cable Control with OSD Menu

VTB-AS5060



- 1/3" Sony Super HAD II CCD
- 600TVL, 0.01 Lux
- 12mm Lens
- 36 pcs Φ 8 IR LEDs
- IR Distance: 50m
- D-WDR, 2D-DNR, BLC, etc.
- Cable Control with OSD Menu

VTB-AS5060V



- 1/3" Sony Super HAD II CCD
- 600TVL, 0.01 Lux
- 2.8-12mm Vari-Focal Lens
- 36 pcs Φ 8 IR LEDs
- IR Distance: 50m
- D-WDR, 2D-DNR, BLC, etc.
- Cable Control with OSD Menu

700 TVL Sony Effio



- Key Features**
- OSD: Yes
 - Electronic Shutter: Auto 1/50~1/10,000 Manual: 1/50, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000
 - AGC: 4 Control Options
 - Privacy Masking: ON/OFF(4 Zones) Sensitivity/Area Selection
 - Picture Adjustment: Brightness/Contrast/Sharpness/Hue/Gain
 - Day/Night: Color/BW/Auto
 - White Balance: ATW/Manual WB
 - Mirror Function: Yes
 - DNR: 2D-DNR
 - BLC/HLM/Off
 - AGC: ON/OFF

VTD-AE2070



- 1/3" Sony Effio-E DSP
- 700TVL with Cable Control OSD
- AGC, ATW, BLC, HLM
- 0.01 Lux
- 3.6mm Board Lens
- D-WDR, 2D DNR

VTDI-AE2070



- 1/3" Sony Effio-E DSP
- 700TVL with Cable Control OSD
- 0.01 Lux
- 3.6mm Lens
- 24pcs Φ 5 IR LEDs
- IR Distance: 20m
- D-WDR, 2D-DNR, BLC, HLM, AGC

VTDI-AE3070V



- 1/3" Sony Effio-E DSP
- 700TVL with Cable Control OSD
- 0.01 Lux
- 2.8-12mm VF Lens
- 36pcs Φ 5 IR LEDs
- IR Distance: 30m
- D-WDR, 2D-DNR
- HLM, BLC, AGC, DN Control

VTB-AE2070



- 1/3" Sony Effio-E DSP
- 700TVL, 0.01 Lux
- 3.6 mm Lens
- 24pcs Φ 5 IR LEDs
- IR Distance: 20m
- D-WDR, 2D-DNR
- Cable Control with OSD Menu
- HLM, BLC, AGC, DN Control

VTB-AE3070



- 1/3" Sony Effio-E DSP
- 700TVL, 0.01 Lux
- 8 mm Lens
- 36pcs Φ 5 IR LEDs
- IR Distance: 30m
- D-WDR, 2D-DNR
- Cable Control with OSD Menu
- HLM, BLC, AGC, DN Control

VTB-AE5070



- 1/3" Sony Effio-E DSP
- 700TVL, 0.01 Lux
- 12 mm Lens
- 36pcs Φ 8 IR LEDs
- IR Distance: 50m
- D-WDR, 2D-DNR
- Cable Control with OSD Menu
- HLM, BLC, AGC, DN Control

VTB-AE5070V



- 1/3" Sony Effio-E DSP
- 700TVL, 0.01 Lux
- 2.8-12 mm Lens
- 36pcs Φ 8 IR LEDs
- IR Distance: 50m
- D-WDR, 2D-DNR
- Cable Control with OSD Menu
- HLM, BLC, AGC, DN Control

Analog Camera



PTZ Camera

- VTP-A10X70**
- Indoor 10X Mini High Speed Dome Camera (3.5")
 - Indoor / Outdoor
 - 1/4" Interline Transfer CCD
 - Auto Day/Night, Color/B/W Function
 - 10x Optical Zoom, 10x Digital Zoom
 - Horizontal RES: 700TVL (Color), 750TVL (B/W)
 - Min Illumination: Color 0.7Lux/F1.8 (50 IRE), B/W 0.02Lux/F1.8 (50 IRE)
 - 128 Preset, Privacy Zone: 4
 - Preset Speed: Max 180°/sec
 - Rotation Range: Pan 360 Degree Rotating, Tilt 180 Degree Rotating (Auto-Flip)
 - Manual Speed: 0.5°~180°/Sec (proportional to zoom)
 - 8 Cruise Group (20 Action Entities Per Group)
 - RS-485 Long-distance Control (Pelco-D, Pelco-P protocol)



- VTPI-A10X70IR**
- 4" Outdoor IR Mini High Speed Dome Camera
 - 6 Pcs Array LED, IR Distance: 60m
 - 1/3" SONY EFFIO CCD
 - Color 700TVL, B/W 750TVL
 - 10X Optical Zoom, Focus Length: 5.5~55mm
 - 0.01 Lux / 0.001 Lux
 - 180°/sec, 90°Auto-Flip
 - Pan Speed: Manual 300°/Sec
 - 220 Presets
 - Group: 4
 - Swings: 8
 - Privacy Zone: 4
 - OSD Menu
 - DC12V
 - 4CH Alarm (Optional)



Special Products

- VTL-AE3570**
Number Plate Recognition
- Color 1/3" Sony EFFIO-E CCD DSP
 - 700TVL, 0.01 Lux
 - 90pcs White LEDs
 - IR Distance: 35m
 - Intelligent Control LEDs
 - 8-20mm Mega Pixel Vari-Focal Zoom Lens
 - Built-in Fan
 - Standard Bracket
 - Size: 390mm x 110mm x 140mm



The camera adopts 1/3"SONY CCD sensor and DSP (digital signal processing) technology, with high-resolution and high sensitivity; The intensity of auxiliary lights and glare inhibition (Halo shrinkage) can be controlled by the key control. The intensity of auxiliary light is continuously adjustable; Five modes for choice, easy for testing and setting. Use special auxiliary lights, can capture clear and color image of car plate camera at night. It applies to toll station, mount, entrances and exits of parking, traffic lights, and other monitoring sites. This can effectively capture license plates of passing cars and license plates of vehicles traveling on the road and vehicle identification.

- VTDF-AE2070**
Fish Eye Dome Camera
- 
- Color 1/3" Sony EFFIO-E DSP (960H)
 - 700TVL with Cable Control OSD Menu
 - 1.56mm 180°Fish Eye Lens
 - Indoor Use

- VTZ-AS2048V**
Zoom Camera
- 
- Color 1/4" Sony Ex-view Super HAD CCD
 - 480TVL
 - 0.01 Lux
 - 30X Optical Zoom Lens

- VTB-AE6070**
Zoom Camera
- 
- Color 1/3" Sony EFFIO
 - 700TVL, 0.01 Lux
 - With Cable Control OSD Menu
 - IR LEDs: 48pcs IR LEDs (18pcs Φ 5, 30pcs Φ 8)
 - IR Distance: 60m, 12mm Lens
 - Fixed Lens & Mounting Bracket Included
 - Power: DC 12V
 - Built-in Fan and Heater

- VTB-AS9058**
Long Distance Super IR Camera
- 
- Color 1/3" Sony Super HAD II
 - 30X Optical Zoom Lens
 - 580 TVL, 0.01 Lux
 - Built-in 6pcs Large Power LEDs and 24pcs Φ 8 LEDs
 - IR Distance: 80-120m
 - Built-in Fan and Heater
 - With Mounting Bracket
 - Weight: 3.5kg (with bracket)

Accessories

Enclosure with IR



- Aluminum Housing with 78 Pcs \varnothing 5 Infrared LED
- IR Distance: 40 Meters
- with Heater, Fans and Bracket
- Beige Color
- DC12V
- Space: L=156mm

Enclosure with IR



- Long Type Housing with IR LED+ Heater+Bracket
- Outdoor Housing Beige Color
- IR Distance: 150 Meters
- Supports Zoom and Box Camera
- Vandal Proof Front Glass
- DC12V
- Space: L=156mm, 390mm for Long type

Enclosure



- Outdoor Housing
- Optional Blower and Heater Power
- Space: L=280mm

Enclosure



- Luxurious Outdoor Housing
- Optional Blower and Heater Power
- Space: L=200mm
- IP 66

IR-Illuminator



- Waterproof IR Illuminator 48pcs \varnothing 5 LED 10/30 Meters
- Power DC12V

IR-Illuminator



- Waterproof IR Illuminator 96pcs \varnothing 10 LED 80 Meters
- Power DC12V

IR-Illuminator



- IR Distance: 150 Meters
- 18pcs \varnothing 10 LED, 24pcs High Power LED
- Power DC12V

PTZ-KeyBoard Controller



- 3-D Keyboard
- Controls 256 Decoders
- RS-485 Communication Protocol
- Control Distance: 1200m(max)

Passive Video Balun (4 CH)



- 4 Channel Passive Video Receiver / Transmitter
- PAL /NTSC Real Time
- Exceptional Interference Rejection and Built in Protection Setting
- Convenient Wiring Installation, Higher Cable Utilization Rate and Lower Composite Wiring Cost
- Distance: 300m

CCTV Tester



- 2.8" TFT-LCD, LCD Brightness/Contrast/Color Saturation are Adjustable
- NTSC/PAL Auto Display, Video Level Testing, NTSC/PAL Colorbar Generator
- PTZ Controller, UTP Cable Tester, PTZ Data Analyst, PTZ Address Scanning
- DC12V 1A Power Output for Camera
- Audio Testing
- Lithium Ion Polymer Battery Supports 15 Hours Working Time

CCTV Tester



- 3.5" TFT-LCD, LCD Brightness/Contrast/Color Saturation are Adjustable
- NTSC/PAL Auto Display, Video Level Testing, Ntsc/pal Colorbar Generator
- PTZ Controller,UTP Cable Tester, PTZ Data Analyst, PTZ Address Scanning
- DC12V 1A Power Output for Camera
- Audio Testing
- Digital Multimeter
- Lithium Ion Polymer Battery Supports 12 Hours Working Time

Passive Video Balun (1 CH)



- Single Channel Passive Video Balun
- Full Motion CCTV Video at Distances up to 330m when used with any Passive Transceiver
- 60 dB Crosstalk and Noise Immunity
- Built In Transient Suppression Protection
- Frequency Response: DC to 8 MHZ
- Connectors: Male BNC and Terminal Blocks
- Impedance: BNC: 75 ohms, Terminal: 100 ohms
- Working Temperature: $>10^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
- Storage Temperature: $>30^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
- Material: ABS Plastic • Compact Size And Easy Installation

Active Video Balun



- Single Channel Active Video Balun
- Long Distance Transmission of PAL/NTSC Real Time Video
- Transmission of Single Channel Data
- Exceptional Interference Rejection
- Options for Distances: Three Levels
- Red Light for Power, Green Light for Video
- Built in Surge Protection, Lighting Protection and Other Protection Setting
- Convenient Wiring, Higher Cable Utilization Rate, Lower Composite Wiring Cost
- Compact Size and Cabinet Installation
- Up to 1500m with any Active UTP Video Receiver

Digital Video Recorder

Entry Level DVR

VVDVR-1004



- Video Input: BNC 4CH
- Video Output: 1CH TV Out, 1CH VGA Out
- Audio I/O: RCA 4CH In/ 1CH Out
- All Channel Record @ 960H (WD1)/DI
- 100 FPS @ WD1 Resolution

VVDVR-1008



- Video Input: BNC 8CH
- Video Output: 1CH TV Out, 1CH VGA Out
- Audio I/O: RCA 4CH In/ 1CH Out
- Recording Resolution: DI @ 50 FPS, 200 FPS @ CIF Resolution

VVDVR-1016



- Video Input: BNC 16CH
- Video Output: 1CH TV Out, 1CH VGA Out Out, HDMI Out
- Audio I/O: RCA 4CH In/ 1CH Out
- Recording Resolution: 2CHxDI + 14xCIF

Key Features :

- Real-time Network Streaming • Free DDNS (Plug & Play) • Support All Web Browsers
- Support 3G data Card (please enquire for the list of supported Devices)
- Dual Stream Option • Privacy Masking Function
- Can Back Up Data in AVI Format • Multiple Recording Option Like Schedule, Motion, Continuous, Manual
- Alerts on Events, Like Email, Popup Window, Record a Specific Channel, Buzzer Etc.
- Can Adjust Pre & Post Record Time on Event generation • All Channel Playback on Direct & Network
- Hexaplex Operation Simultaneously: Preview, Recording, Network Live, Backup and Playback
- Supports 1 Sata HDD up to 2 TB

Middle Range DVR

VFDVR-2004



- Video In 4CH BNC
- Video Out HDMI, BNC & VGA
- Audio I/O 4/I
- Alarm I/O 4/I
- Recording Resolution: 4CH*WD1 (960H)
- 960*240 WD1 Resolution @ 100 fps

VFDVR-2008



- Video In 8CH BNC
- Video Out HDMI, BNC & VGA
- Audio I/O 8/I
- Alarm I/O 4/I
- Recording Resolution: 8CH*DI
- DI Resolution @ 200 fps

VFDVR-2016



- Video In 16CH BNC
- Video Out HDMI, BNC & VGA
- Audio I/O 4/I
- Alarm I/O 4/I
- Recording Resolution: 2CH*DI + 14*CIF

Key Features :

- Dual Stream Function & support All Web Browsers (Viewing)
- Can backup Video File Directly in AVI Format
- RTSP Link Transmission
- Support Data Redundancy
- Up to 4 TB HDD Support
- Digital Zoom in Live & Playback Mode
- Real-Time Network Streaming with Low Bandwidth Consumption
- Bandwidth Management through DVR
- Privacy Masking
- Free DDNS
- Support 3G Data Card (Please enquire for the list of model supported)
- Event Alerts in the Form of Email, Video On FTP Server, PTZ Activation, Alarm Output & Buzzer, Record Specific Channel Alert Message on Monitoring Screen, Popup Event Channel on Monitoring Screen
- Support IP Restriction/ IP Filter
- Alert in the Case of Motion Detection, Video Loss, Video Blind, Alarm Input & DVR Abnormality like IP Conflict, HDD Error, Network Disconnection etc.
- Multiple Recording Option Like Schedule, Manual, Continuous, Motion Detection, Alarms Based
- PTZ Control: Can record & Run the Pattern, Tour & Preset through DVR itself
- 64 CH Free CMS Software
- Video & Audio back-up to USB 2.0 USB Flash Disk, USB Hard Disk, USB CD/DVD-RW & Network
- Mobile Phone view based on Symbian, Windows, OS Mobile Phone, iPhone, Blackberry & Android Operating System
- Remote Access View, Playback, DVR Setup, Back-up Video Files & Record Via IE
- PC Mouse & IR Remote Control Operation (included Inside)

Project DVR

VFDVR-3004

- 4CH DVR: Full WD I/D I, With 4/I Audio in/out Port, 4/I Alarm in Out Port. With HDMI Output, Support 2*2TB HDD
- H.264 Video Compression
- Support Motion Detection and Privacy Mask
- Win Mobile, Symbian S60 3rd/5th, Iphone, Blackberry OS5.0, Android
- Remote Operation: Remote View, Remote Playback, Remote Setup
- Power DC12V
- Accessories: Power Cable, IR Remote Controller, Adapter, User Manual, CD Disk, Screws, Mouse
- Support Cloud Service



VFDVR-3008

- 8 CH DVR: Full WD I/D I, With 8/I Audio in/out Port, 4/I Alarm in Out Port. With HDMI Output, Support 2*2TB HDD
- H.264 Video Compression
- Windows Operation System
- Support Motion Detection and Privacy Mask
- Win Mobile, Symbian S60 3rd/5th, Iphone, Blackberry OS5.0, Android
- Remote Operation: Remote View, Remote Playback, Remote Setup
- Power DC12V
- Accessories: Power Cable, IR Remote Controller, Adapter, User Manual, CD Disk, Screws, Mouse
- Support Cloud Service



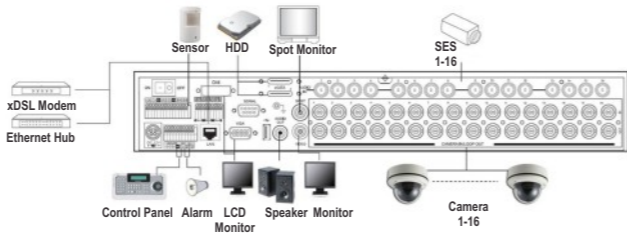
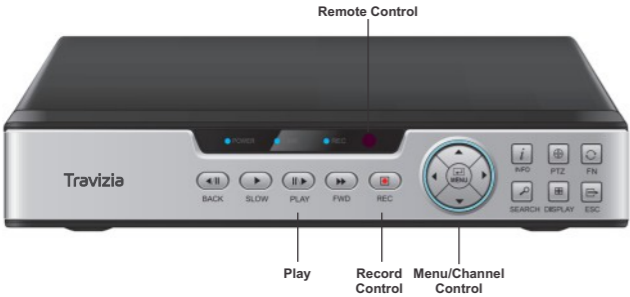
VFDVR-3016

- 16 CH DVR: 12 ChWD I + 4Ch D I With 4/I Audio in/out Port, 4/I Alarm in Out Port. With HDMI Output, Support 2*2TB HDD
- H.264 Video Compression
- Windows Operation System
- Support Motion Detection and Privacy Mask
- Win Mobile, Symbian S60 3rd/5th, Iphone, Blackberry OS5.0, Android
- Remote Operation: Remote View, Remote Playback, Remote Setup
- Power DC12V
- Accessories: Power Cable, IR Remote Controller, Adapter, User Manual, CD Disk, Screws, Mouse
- Support Cloud Service



VFDVR-2032

- 32CH: 32CH CIF
- H.264 Video Compression
- Embedded Linux operating system and proprietary data file system, with excellent network transmission performance and high stability
- Support Motion Detection and Privacy Mask
- Win Mobile, Symbian S60 3rd/5th, Iphone, Blackberry OS5.0, Android
- Remote Operation: Remote View, Remote Playback, Remote Setup
- Alarm triggering screen tips, buzzer, PTZ preset, Snapshot, Email, FTP Upload, NTP, UPNP
- Power DC12V5A



What is IP Surveillance?

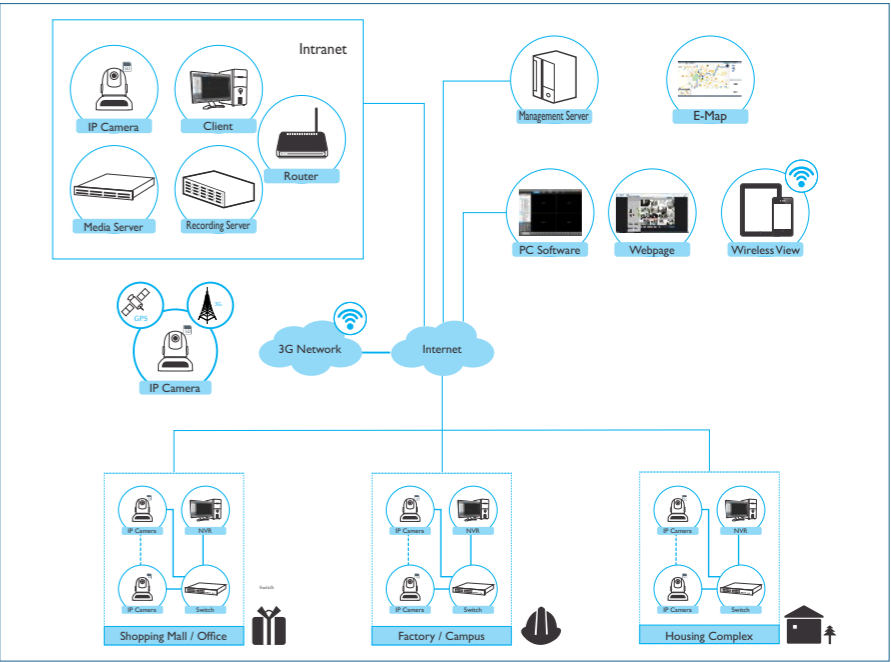
IP surveillance is a digitized and networked version of closed-circuit television (CCTV). In an IP surveillance system, an IP camera records video footage and the resulting content is distributed over an IP (Internet protocol) network.

Digitization offers a number of benefits over traditional analog CCTV as below:

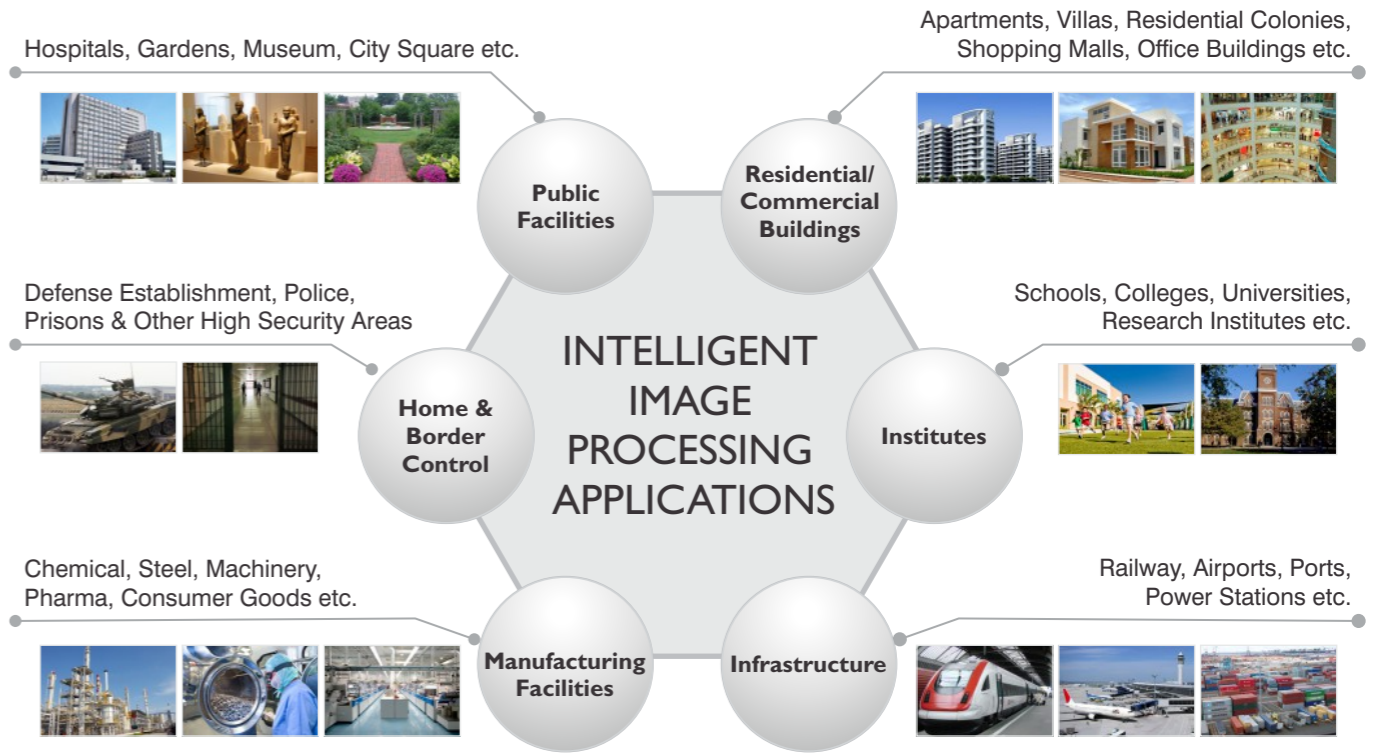
- Improved search capability.
- Greater ease of use.
- Better quality images and no degradation of content over time.
- The ability to record and play simultaneously.
- The ability to compress content for improved storage.

Adding networking capability to digital CCTV provides additional benefits as below:

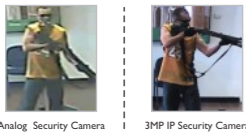
- Improved ability for remote viewing and control. Anyone on the network can potentially see video from any camera connected to the network.
- IP storage makes it possible to store data in any geographic location.
- Greater ease of distribution. An image of a crime suspect, for example, can be immediately distributed to officials.
- The ability to connect to email and other communications systems so that alerts can be sent automatically.



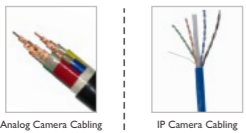
Applications



IP Surveillance Benefits



Resolution: While traditional CCTV systems (PAL/NTSC) have always been restricted to a maximum DI or WDI interlaced picture resolution, IP CCTV allows us to move beyond this limitation and develop mega pixel cameras with much higher resolution.



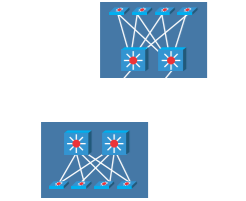
Lower Cabling Costs: IP cameras can use standard Cat-5/6 structured network cabling. With PoE (Power over Ethernet), same cable can be used for video, audio, data, camera control and power. And the advantage is the network infrastructure can be shared with other network services such as data and voice to achieve IP network convergence.



Increased Scalability& Flexibility: The use of a standard network infrastructure means that it is relatively easy to add additional devices to the system-cameras, workstations, storage, wireless router or move existing ones. with IP cameras, video analytics can be placed in the camera itself allowing scalability in analytics solutions.



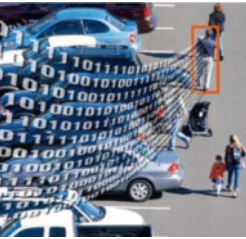
Storage: With the use of IP CCTV means that we can now use high-capacity Storage Area Networks (SAN), Network attached storage (NAS) to reliably store huge amounts of recorded video and provide instant access to this data.



Resiliency & Redundancy: Most network management system provide the option for resiliency & Redundancy like dual redundant power supply. Most IP Storage uses standard RAID (Redundant Array of Independent Disk) technology to provide data storage with implicit resiliency so that a single disk failure will not compromise the integrity of data. With Redundancy, one can duplicate and store video data in separate physical locations.



Future Proof: IP CCTV is based on international IT standards like ONVIF etc. so that there is a clear evolution path from current technology to futuristic & sustainable developments. New technology integrated with other applications like Intrusion, Access Control, Perimeter Detection etc. and offer many new possibilities in the field of surveillance such as centralised control & monitoring, associate data from other security devices and business systems with CCTV images & recording to create "full situational awareness" and make intelligent decisions.



Video Analytics: Intelligent Video Analytics provides an advanced solution that performs intelligent video analysis and fully automates video monitoring. It automatically tracks and identifies objects, analyzes motion and extracts video intelligence from video streams. These analytics can output real-time events and object data for video data mining or storage in a database. Video Analytics increases productivity and efficiency of video surveillance systems and operators while eliminating the need for manual work and saving huge monitoring costs.



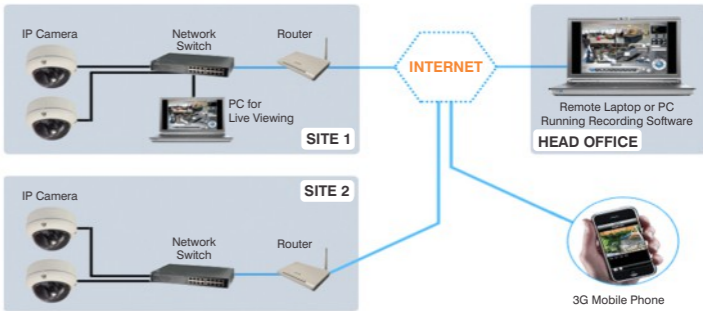
Transmission/Remote Accessibility: IP video data can be viewed easily remotely even from other continent using PC/Laptop or even smartphones on both wired and wireless networks. IP cameras offer secure data transmission through encryption and authentication methods such as WEP, WPA, WPA2, TKIP, AE. IP video data can be re-transmitted and re-recorded as often as required without any change in quality.

IP CCTV Camera



Key Features

- Support ONVIF Protocols
- Support all Web Browsers
- Support Dual Stream
- H.264/MPEG4 video Compression, 2 Way Audio
- BLC, DNR, Mirror Function
- Video Analytics like Motion Detection, Video Loss, Video Blind, Alarm Input etc.
- Exception Handling like HDD full/Error, Network Disconnection, unauthorized access.
- POE Function (Optional)
- Support SD Card up to 32 GB
- Additional Analog Video Out (Optional)
- Alarm Input/Output Interface



1 MP IP Camera

VFB-I2010M

- 1/3" CMOS HD Sensor
- 1.0 Mega Pixels CMOS, 3DNR, The Highest Resolution can be up to 1280×720
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Mega Pixel Lens
- 24 PCS IR LED, IR Distance: 20 Meters



VFXI-I3010MP

- 1/3" CMOS HD Sensor
- 1.0 Mega Pixels CMOS, 3DNR, The Highest Resolution can be up to 1280×720
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Mega Pixel Lens
- 1PCS High Power Array LED, IR Distance: 30 Meters



1.3 MP IP Camera

VFD-I1013M

- 1/3" CMOS HD Sensor
- 1.3 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1280×960, with POE
- Standard H.264 Main Profile Encode
- Dual Stream
- Support TF Card up to 32GB
- POE Function (Optional)
- 3.6mm Fixed Lens



VFDI-3013M

- 1/3" CMOS HD Sensor
- 1.3 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1280×960
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Meg Pixel Lens
- Support TF Card up to 32GB
- 36pcs LED, IR Distance: 30 meters
- POE Function (Optional)



VFB-I2013M



- 1/3" CMOS HD Sensor
- 1.3 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1280×960
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Mega Pixel Lens
- POE Function (Optional)
- 24pcs LED, IR Distance: 15-20 Meters

VFB-I3013M



- 1/3" CMOS HD Sensor
- 1.3 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1280×960
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Mega Pixel Lens
- Support TF Card up to 32GB
- 36pcs LED, IR Distance: 30 Meters
- POE Function (Optional)

VFXI-I3013M



- 1/3" CMOS HD Sensor
- 1.3 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1280×960
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Mega Pixel Lens
- POE Function (Optional)
- 1PCS High Power Array LED, IR Distance: 30 Meters

IP CCTV Camera



2 MP IP Camera

VFD-I1020M

- 1/3" CMOS HD Sensor
- 2 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1920×1080
- Standard H.264 Main Profile Encode
- Dual Stream
- Support TF Card up to 32GB
- POE Function (Optional)
- 3.6mm Fixed Lens



VFDI-3020M

- 1/3" CMOS HD Sensor
- 2 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1920×1080
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Meg Pixel Lens
- Support TF Card up to 32GB
- POE Function (Optional)
- 36pcs LED, IR Distance: 30 Meters



VFB-I2020M

- 1/3" CMOS HD Sensor
- 2 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1920×1080
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Mega Pixel Lens
- POE Function (Optional)
- 24pcs LED, IR Distance: 15-20 Meters



VFB-I3020M

- 1/3" CMOS HD Sensor
- 2 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1920×1080
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Mega Pixel Lens
- Support TF Card up to 32GB
- POE Function (Optional)
- 36pcs LED, IR Distance: 30 Meters



VFXI-I3020M

- 1/3" CMOS HD Sensor
- 2 Mega Pixels CMOS, 3DNR
- The Highest Resolution can be up to 1920×1080
- Standard H.264 Main Profile Encode
- Dual Stream
- 2.8-12mm Mega Pixel Lens
- POE Function (Optional)
- IPCS High Power Array LED, IR Distance: 30 Meters



IP PTZ Camera

VFPI-I16X20M

- 1/3" CMOS HD Sensor, H.264 Compression
- 16x Optical Zoom
- 2 Mega Pixel CMOS, Resolution 1920 x 1080
- Standard H.264 Main Profile Encode
- 3D DNR, Dual Stream
- Adopt High Performance Infrared Array LED, Low Power, IR Distance up to 120 Meters
- 360 Degrees in the Horizontal Direction Continuous Rotation, Vertical Direction for -2 to -90, without Monitoring Blind
- Support 128 Preset Spots, and with Preset Video Freeze Function
- Support Alarm Function, Built-in 1 Channel Alarm Input and 1 Channel Alarm Output



VFP-I36X54

- 1/4" Ex-view HAD CCD, Sony
- 36x Optical 12x Digital D/N, 752(H)X582(V), 540TVL, 0.01Lux, Indoor
- Support Color/BW Mode Converting
- H.264/MJEG is Optional, Dual Streaming, High Compression Ratio, and High Quality
- Auto Focus, Manual Priority, Auto Iris, Manual Priority
- Built-in OSD Menu, Support Integration Camera Parameters Personalized Regulation
- Horizontal Speed: 0.1°-300°/sec,
- WDR Adjustment, Power OFF Memory Function
- Manual Control Of Speed and Lens Focal Length Is Proportional
- Horizontal Rotation Range: 360°, Vertical Rotation Range :180°
- Preset Positions: 128, Patrol: 4 Groups
- Auto Scan, Horizontal /Vertical rotation Range Angle Settings, Scanning Speed Adjustable
- Title, Date and Time, Stream Information, Azimuth Angle, Zoom Display
- Support Motion Detection, Network Fault Detection and Alarm Video, Image Snapping
- Built-in Web Server for Viewing and Management through Standard Web Browser
- Water and Dust Resistance: IP66
- Built-in Surge Voltage Protection and Lightning Protection Devices
- Installation: Indoor/Outdoor Wall-mounted, Ceiling Mounting



Network Video Recorder



Entry Level NVR

TFNVR-2004

- Standard H.264 Compression Algorithm Support Dual Stream
- 4 Ch *1080P@ 25 FPS



TFNVR-2008

- Standard H.264 Compression Algorithm Support Dual Stream
- 8 Ch *1080P/720P @ 25 FPS



TFNVR-2016

- Standard H.264 Compression Algorithm Support Dual Stream
- 16 Ch *1080P/720P @ 25 FPS



Key Features :

- Support 4/1 Ch Alarm In/out
- Support 2*3TB HDD
- Onvif Agreement With Standard
- Computer System: Suport Windows, Mac OS
- Support Mobile Phone Preview (Windows Mobile, Symbian, iPhone, Android, BlackBerry)
- Support Browser: IE, Firefox, Chrome, Safari
- Display : Supports TV , VGA , HDMI (720P/1080P)
- Recording all Channel 1080P • Playback 1 channel 1080P/ all Channel at 720P
- Supports Various DDNS
- Support Mouse High Speed PTZ Function Convenient PTZ Control
- Power: DC12V4A /<15W
- Working Temperture: -10°C~+55°C/10%~90%/86kpa~106kpa
- Others: Perfect Protection for Circuit, the Unique Triple Watchdog Function, ensure that the Device Never Crashes, Unique Black Box Technology, Monitor the Entire Process, Reduce Maintenance Costs

TFNVR-2024

- Standard H.264 Compression Algorithm Support Dual Stream
- Onvif Agreement with Standard
- Support 8 SATA HDDs, 2U Case
- Frame Rate Adjustable for Each Channel
- Embedded Linux Operating System
- With Built-in RS485 Port for PTZ Control
- Support Always, Schedule, Motion Detection
- Network: Support TCP/IP, DHCP, DDNS, Ppoe
- E-SATA(Backup/Recording)
- HDMI output
- Support Mobile Phone Surveillance Based on Windows Mobile, Symbian, iPhone, Blackberry and Android Operating System
- Perfect Protection for Circuit, the Unique Triple Watchdog Function, ensure that the Device Never Crashes, Unique Black Box Technology, Monitor the Entire Process, Reduce Maintenance Costs



Project NVR & NVR Storage Appliances

VIZIA A2200 & 2600

- Fully Customized
- Midsize to Large-Scale Solutions
- Cost Effective & Scalable
- Easy to Administer & Maintain
- Engineered for Video Surveillance
- Reduces Deployment Costs and Complexity
- Integrated Solution - Easier to Manage & Grow
- Easy to Use Management Interface
- Outstanding Track Record of Reliability
- Integrated Solution - Easier to Manage & Grow

